Figure 1.

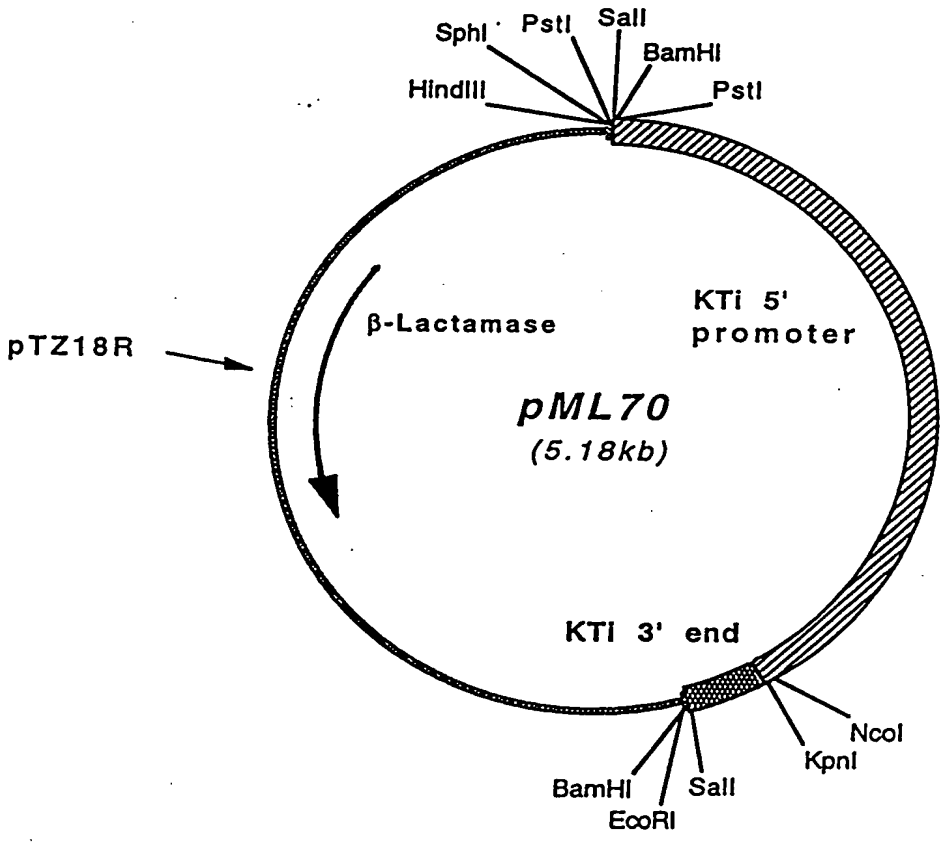

SphI
PstI
SalI
BamHI
HindIII
PstI
pTZ18R
β-Lactamase
KTi 5'
promoter
pML70
(5.18kb)
KTI 3' end
NcoI
KpnI
BamHI
SalI
EcoRI

Figure 2.

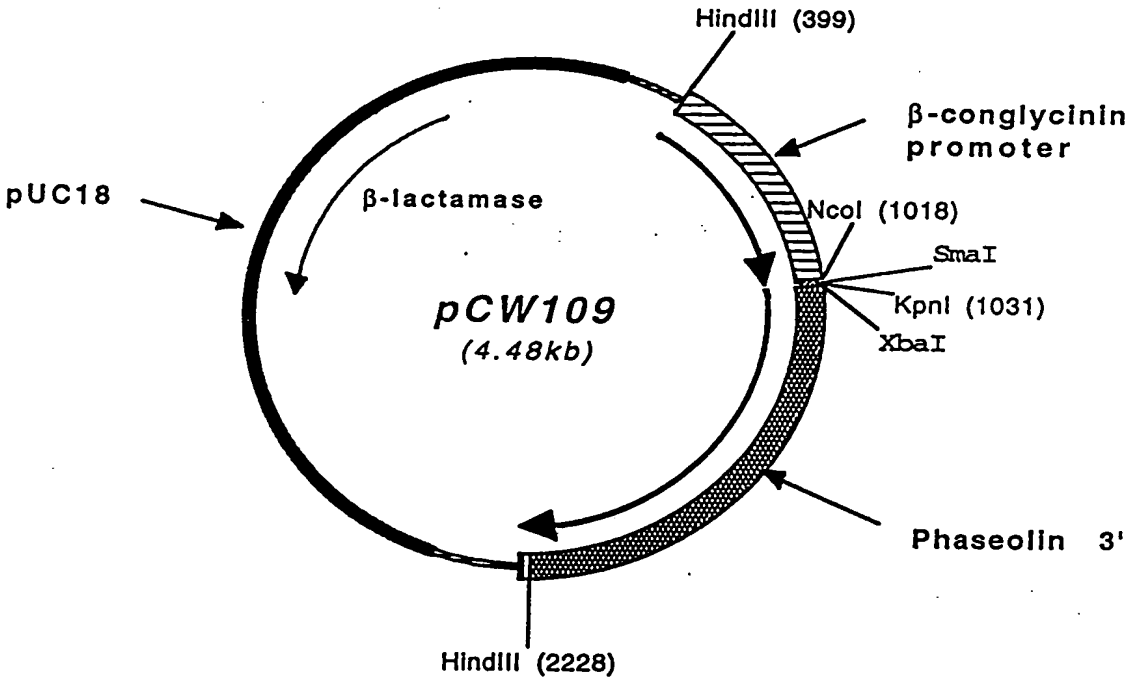

HindIII (399)
β-conglycinin promoter
pUC18
β-lactamase
NcoI (1018)
SmaI
KpnI (1031)
XbaI
pCW109
(4.48kb)
Phaseolin 3'
HindIII (2228)

Figure 3.

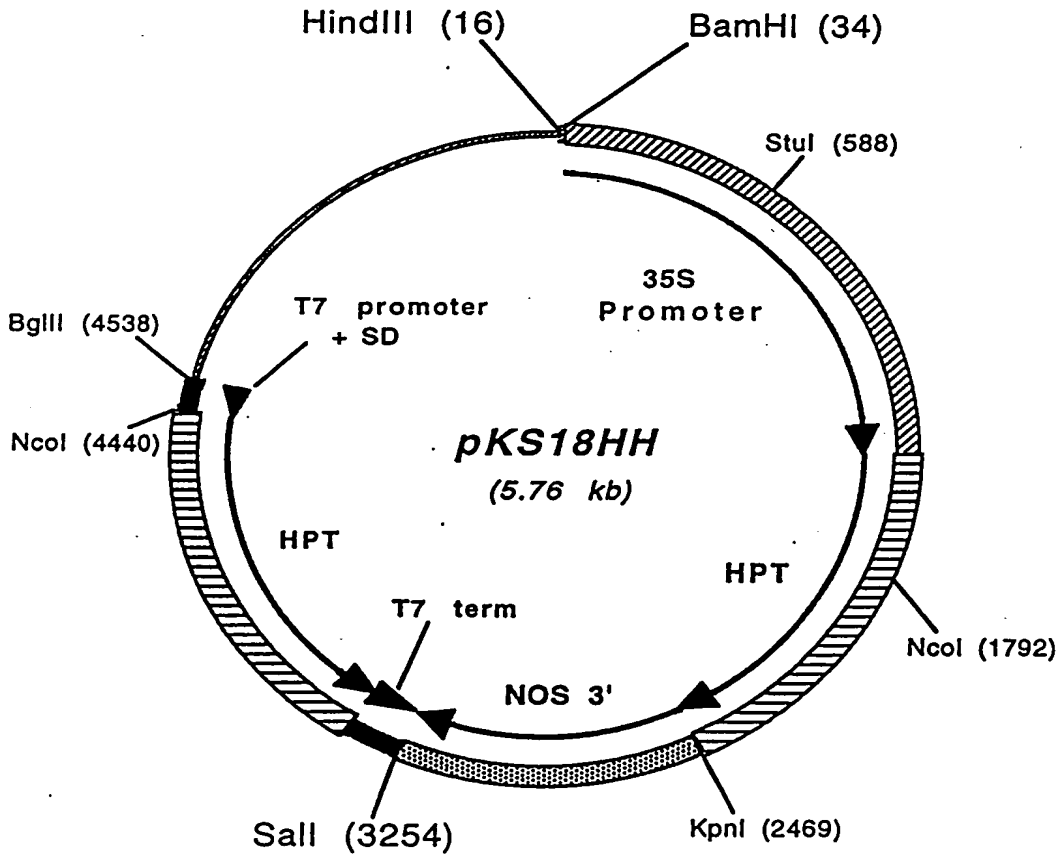

HindIII (16)
BamHI (34)
StuI (588)
35S
Promoter
T7 promoter
+ SD
BglII (4538)
NcoI (4440)
pKS18HH
(5.76 kb)
HPT
HPT
T7 term
NOS 3'
NcoI (1792)
SalI (3254)
KpnI (2469)

Figure 4

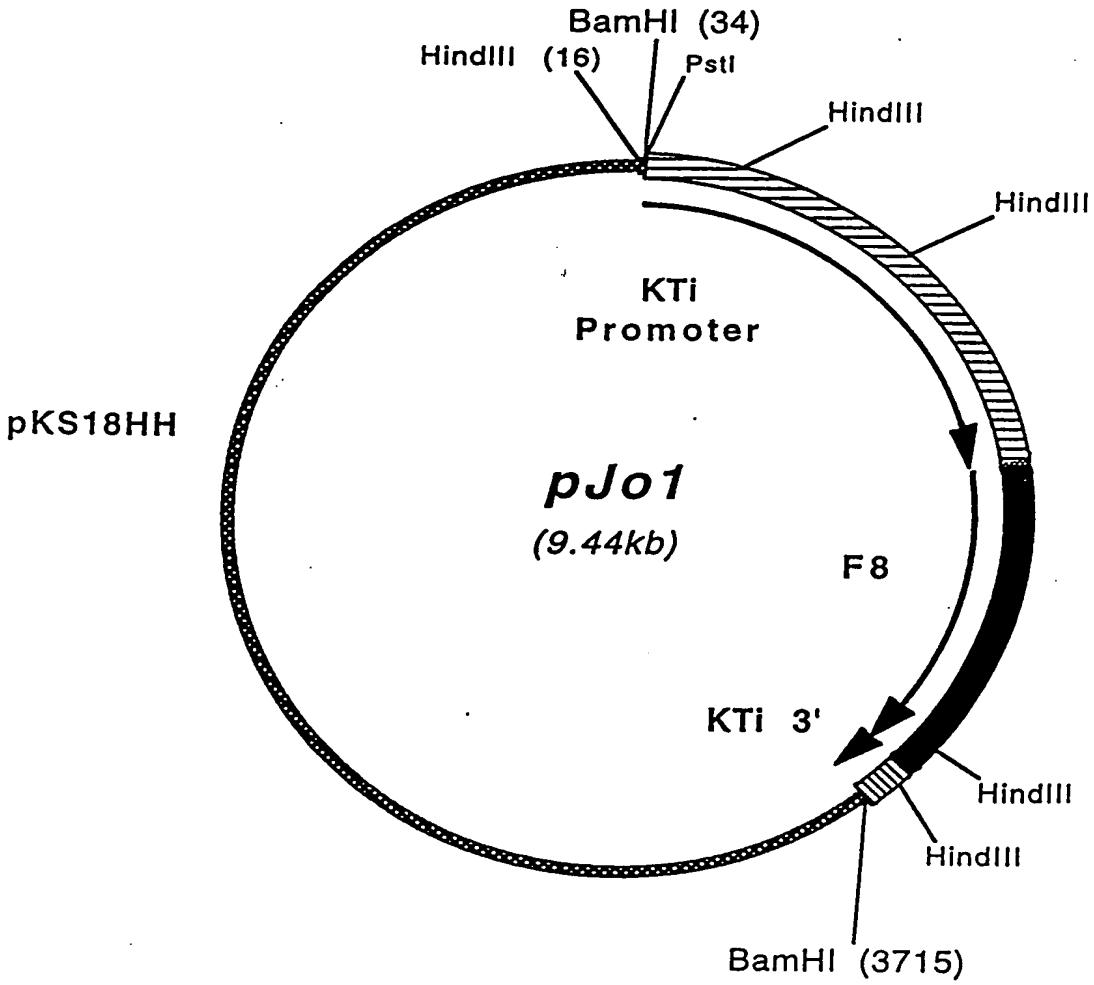

BamHI (34)
HindIII (16)
PstI
HindIII
HindIII
KTi
Promoter
pKS18HH
pJo1
(9.44kb)
F8
KTi 3'
HindIII
HindIII
BamHI (3715)

Figure 5. SDS-PAGE of protein extracted from transformed somatic embryos Jo1-1 and Jo1-4 (10% gel, coomassie stained)

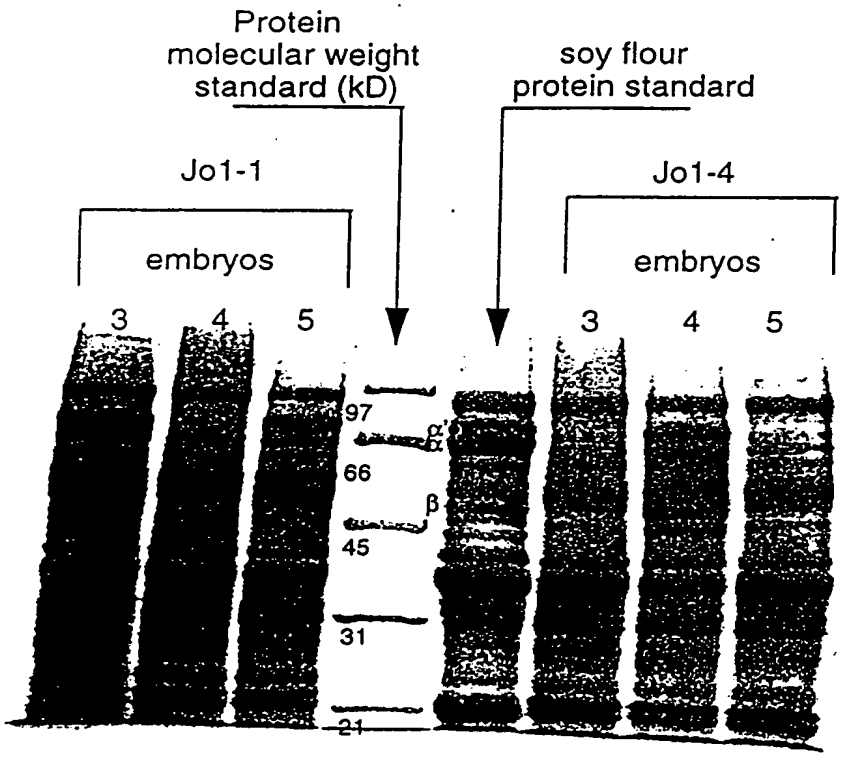


Figure 6.

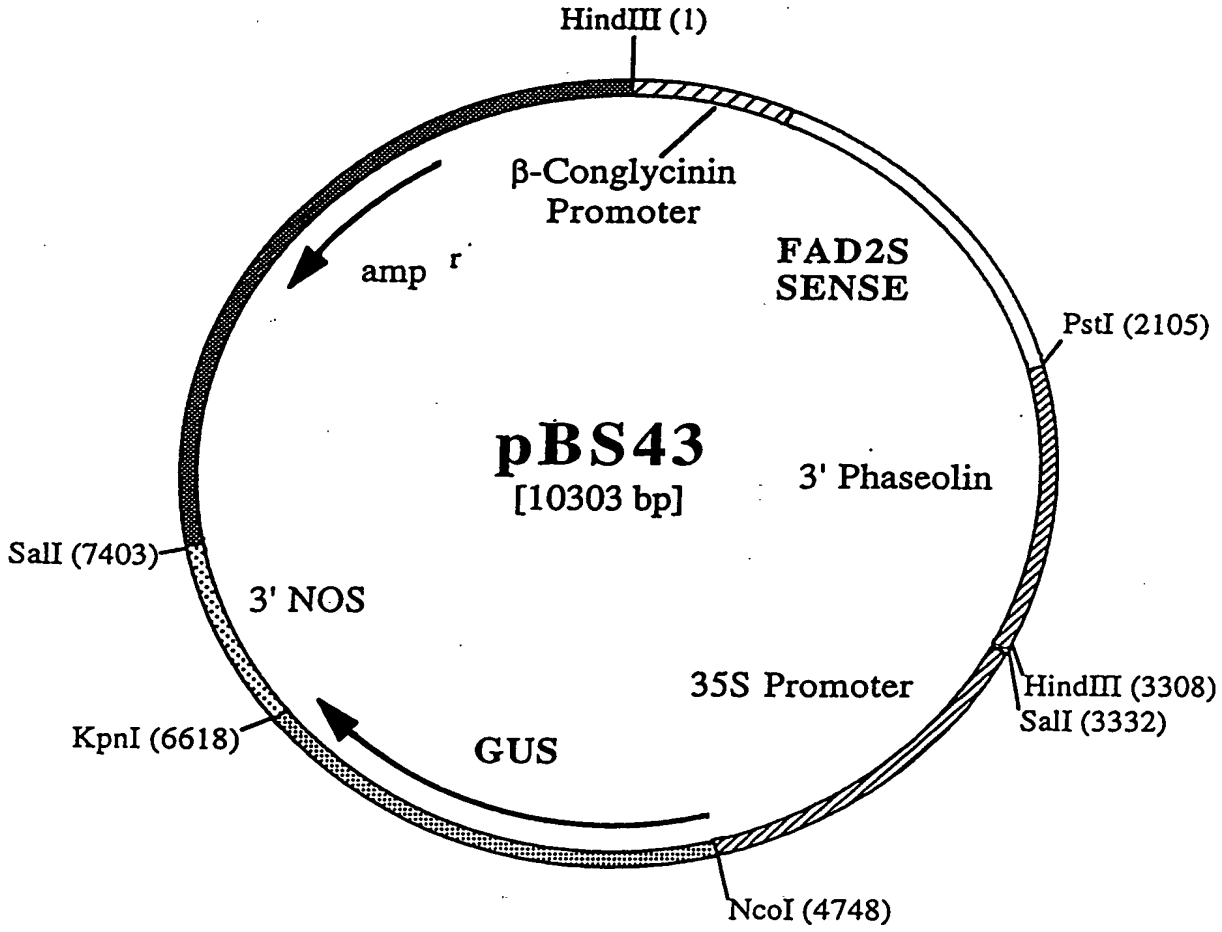

HindIII (1)
β-Conglycinin Promoter
FAD2S SENSE
amp r
PstI (2105)
pBS43
[10303 bp]
3' Phaseolin
SalI (7403)
3' NOS
35S Promoter
HindIII (3308)
SalI (3332)
KpnI (6618)
GUS
NcoI (4748)

Figure 7. SDS-PAGE of protein extracted from transformed soybean seeds of G94-1 and G94-19 (10% gel, coomassie stained)

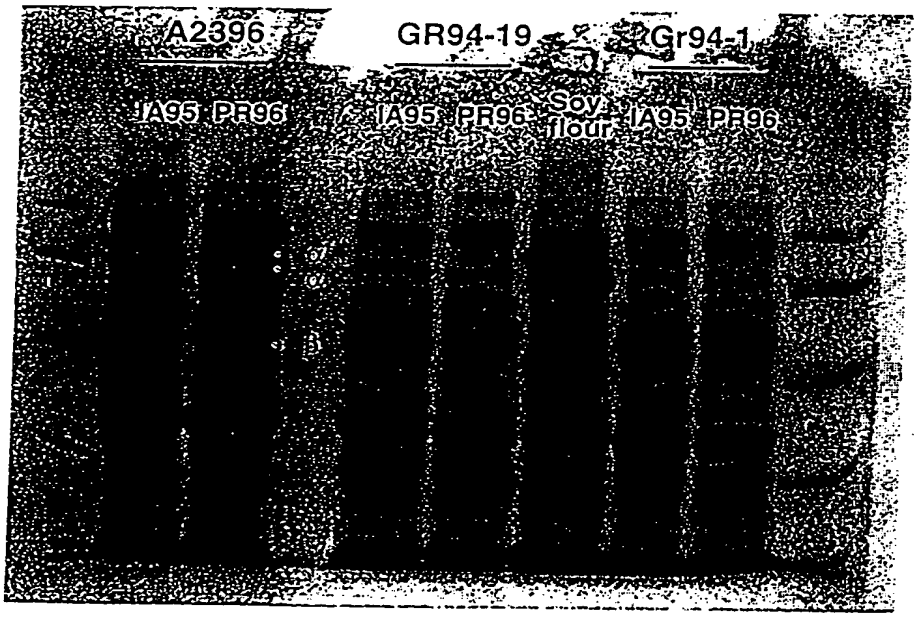


Figure 8.

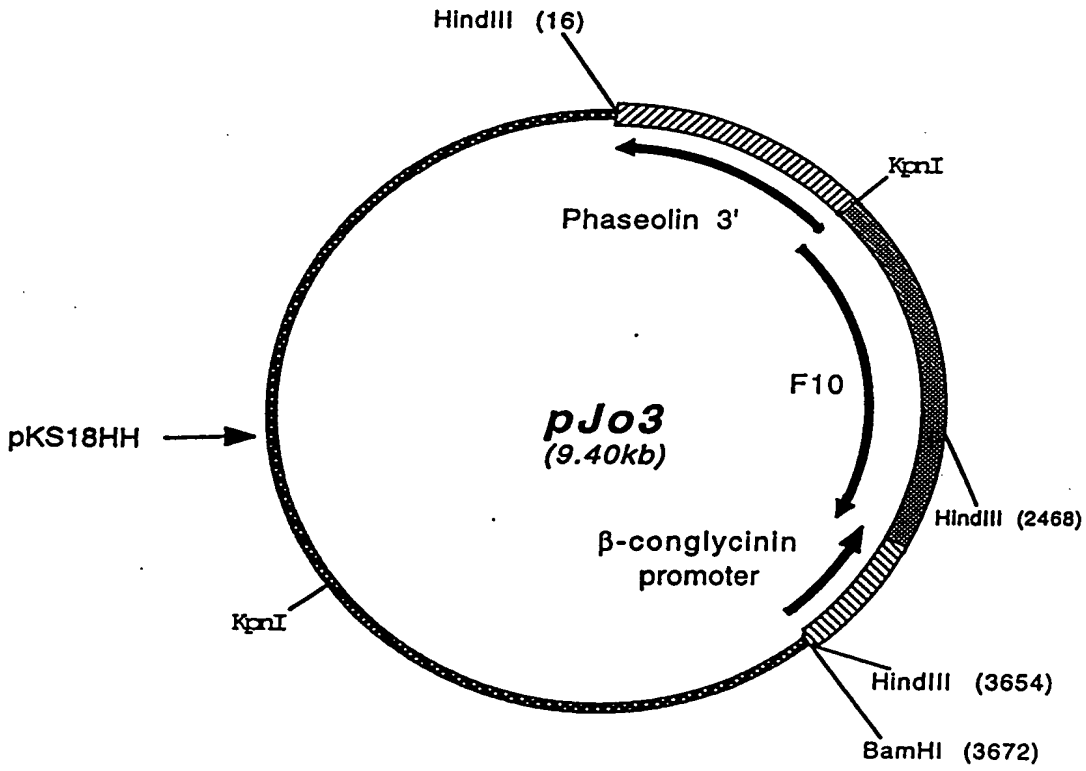
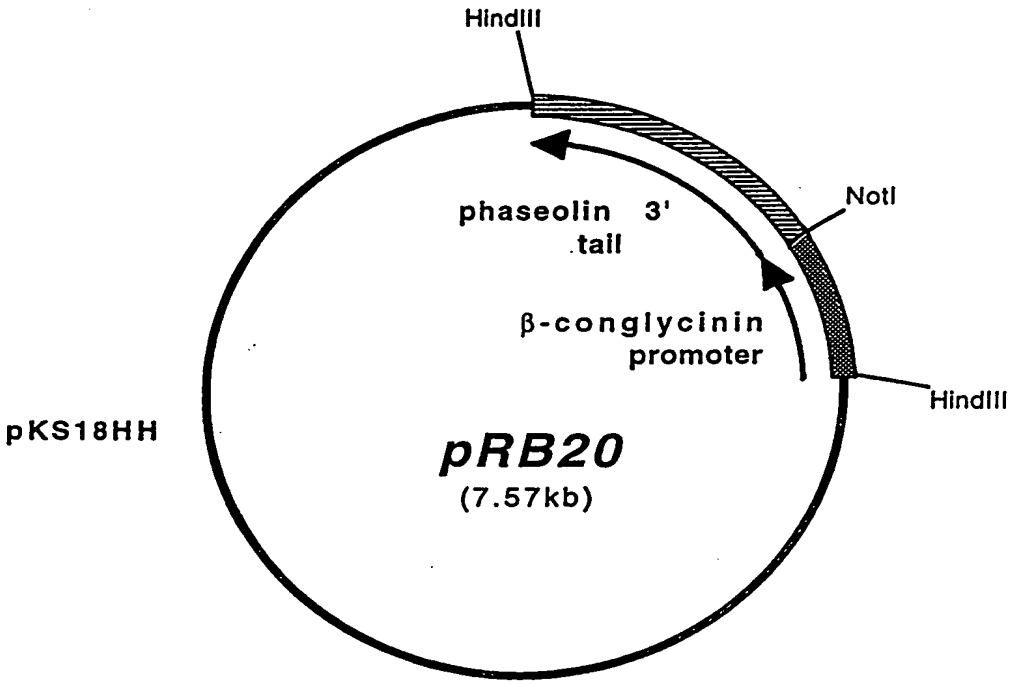

HindIII (16)
KpnI
Phaseolin 3'
F10
pJo3
(9.40kb)
pKS18HH
β-conglycinin
promoter
HindIII (2468)
KpnI
HindIII (3654)
BamHI (3672)

Figure 9


HindIII
NotI
phaseolin 3' tail
β-conglycinin promoter
HindIII
pKS18HH
pRB20
(7.57kb)